

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: K. Otsuka, et al.

Application No.: TBD

Filing Date: October 24, 2003

For: PROCESS FOR PURIFYING AMMONIA

Art Unit: TBD

Examiner: TBD

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 CFR § 1.97 AND § 1.98**

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

October 24, 2003

Sir:

Pursuant to Applicants' duty of disclosure, enclosed please find copies of documents cited and discussed in the specification of the above-identified application, on pages 2-5 thereof. Also enclosed is a copy of United States Patent Application Publication No. 2002/0034467, which corresponds to Japanese Patent Document No. 2002-037623 discussed on pages 3 and 5 of the specification of the above-identified application. Note that No. 2002/0034467 is a publication of Application No. 09/907,946, filed July 19, 2001.

To the extent that the enclosed documents are not in English, it is respectfully submitted that requirements of 37 CFR § 1.98(a)(3) are satisfied by discussion of the references in Applicants' specification, on pages 2-5 thereof.

This Information Disclosure Statement is being submitted concurrently with the filing of the above-identified application. Accordingly, requirements of 37 CFR § 1.97(b) are clearly satisfied.

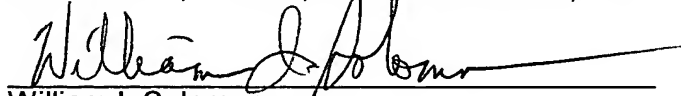
Also enclosed, for satisfying requirements of 37 CFR § 1.97 and § 1.98, is a Form, substantially equivalent to Form PTO-1449, listing the enclosed documents.

In view of all of the foregoing, it is respectfully submitted that all applicable requirements of 37 CFR § 1.97 and § 1.98 have been satisfied, in connection with present submission of the enclosed documents. Accordingly, consideration of the enclosed documents, upon examination of the above-identified application, is respectfully requested.

To the extent necessary, Applicants petition for an extension of time under 37 CFR 1.136. Please charge any shortage in the fees due in connection with the filing of this paper, including extension of time fees, to Deposit Account No. 01-2135 (referencing docket no. 396.43219X00), and please credit any excess fees to such deposit account.

Respectfully submitted,

ANTONELLI, TERRY, STOUT & KRAUS, LLP

A handwritten signature in black ink, appearing to read "William I. Solomon", is written over a horizontal line.

William I. Solomon  
Registration No. 28,565

1300 North Seventeenth Street  
Suite 1800  
Arlington, VA 22209  
Tel.: 703-312-6600  
Fax.: 703-312-6666  
WIS/sjg

<b>Form PTO-1449</b>  <b>U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use several sheets if necessary)	<b>ATTY. DKT. NO.</b>  396.43219X00	<b>APPLICATION NO.</b>  TBD
	<b>APPLICANT</b> K. Otsuka, et al.	
	<b>FILING DATE</b> October 24, 2003	<b>GROUP</b> TBD

**U.S. PATENT DOCUMENTS**

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date
AA	2002/0034467	3/21/2002	Otsuka, et al.			
AB						
AC						
AD						

**FOREIGN PATENT DOCUMENTS**

Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation/ Abstracts	
						Yes	No
AE	5-124813	5/21/1993	Japan				X
AF	6-24737	2/1/1994	Japan				X
AG	6-107412	4/19/1994	Japan				X
AH	9-142833	6/3/1997	Japan				X
AI	2000-44228	2/15/2000	Japan				X
AJ	2000-169138	6/20/2000	Japan				X
AK	WO 00/20330	4/13/2000	PCT				X
AL	2002-37623	2/6/2002	Japan				X

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

AM	
AN	
AO	
AP	
AQ	
AR	
<b>Examiner</b>	<b>Date Considered</b>

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard St.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC